

MECHANISMS OF AGEING AND DEVELOPMENT

VOLUME CONTENTS

Volume 68 (1993)

The radiation-sensitive mutant <i>rad-8</i> of <i>Caenorhabditis elegans</i> is hypersensitive to the effects of oxygen on aging and development	1
N. Ishii, N. Suzuki, P.S. Hartman and K. Suzuki (Kanagawa, Japan; Fort Worth, TX)	
Age related immunomodulation in murine splenocytes induced by delta-9-tetrahydrocannabinol (THC)	11
S. Pross, Y. Nakano, R. Widen, S. McHugh and H. Friedman (Tampa, FL)	
Stimulation by the antioxidant thioproline of the lymphocyte functions of old mice	27
M. de la Fuente, D. Ferrández, F. Muñoz, E. de Juan and J. Miquel (Madrid and Alicante, Spain; Palo Alto, CA)	
Fructose 2,6-bisphosphate: changes during neonatal maturation and aging of rat and potential role in regulation of glucose utilization	37
T.P. Kasten and G.A. Dunaway (Springfield, IL)	
Age-dependent changes in some aspects of glutamate metabolism in the brain of the teleost, <i>Channa punctatus</i> . I. Ammonia and glutamine contents and glutamate dehydrogenase activity	47
N. Mahapatro and B.K. Patnaik (Orissa, India)	
Developmental aspects of <i>Bufo bufo</i> embryo glutathione transferases ...	59
A. Aceto, B. Dragani, P. Sacchetta, T. Bucciarelli, S. Angelucci, M. Miranda, A. Poma, F. Amicarelli, G. Federici and C. di Ilio (Rome, Italy)	
Effects of long-term elevated serum levels of growth hormone on life expectancy of mice: lessons from transgenic animal models	71
E. Wolf, E. Kahnt, J. Ehrlein, W. Hermanns, G. Brem and R. Wanke (Munich, Germany)	
Effects of age on beta-adrenergic-mediated reflex responses to induced muscular contraction in beagles	89
G.C. Haidet (Dallas TX)	
Estimation of reference intervals from a SENIEUR protocol compatible aged population for immunogerontological studies	105
T. Stulnig, A. Mair, E. Jarosch, M. Schober, D. Schönlitzer, G. Wick and L.A. Huber (Innsbruck, Austria; Heidelberg, Germany)	

Influence for electrical stimulation on enzymatic activity of old rat muscles during hindlimb suspension	117
C. Mercier, M. Lacaille and C. Simard (Quebec City, Canada)	
Phencyclidine-binding sites in mouse cerebral cortex during development and ageing: effects of inhibitory amino acids	125
P. Saransaari and S.S. Oja (Tampere, Finland)	
Cross-sectional Gompertzian analysis: the development of a Gompertz mortality ratio (GMR) and its applicability	137
S. Neilson and I. Robinson (Middlesex, UK)	
Cell proliferation by cell cycle analysis in young and old dietary restricted mice	151
M.H. Lu, W.G. Hinson, A. Turturro, W.G. Sheldon and R.W. Hart (Jefferson, AR)	
Ageing in the autonomic nervous system: a result of nerve-target interactions? A review	163
T. Cowen (London, UK)	
Influence of photosensitizers and light on the life span of <i>Drosophila</i> ...	175
H.R. Massie, V.R. Aiello and T.R. Williams (Utica, NY)	
Energy restriction suppresses microsomal Ca^{2+} -ATPase activities in various organs in C57BL/6 female mice in both euthermic and Torpor states	183
M. Tsukada, N. Hamade, Yasuhiko Wada, T. Mogi, S. Kamiyama and A. Koizumi (Akita, Japan)	
The effects of age on immune responses in the antigen-instilled dog lung. Antibody responses in the lung and lymphoid tissues following primary and secondary antigen instillation	191
S.E. Jones, D.R. Davila, P.J. Haley and D.E. Bice (Albuquerque, NM)	
Age-related changes in protein synthesis measured in vivo in rat liver and gastrocnemius muscle	209
L. Mosoni, P.P. Mirand, M.L. Houlier and M. Arnal (Ceyrat, France)	
Hypotonic fragility of outer membrane and activation of external pathway of NADH oxidation in rat liver mitochondria are increased with age	221
V.V. Lemesko and V.E. Shekh (Svobodi, Ukraine)	
Author Index	235
Subject Index	237
Volume Contents	241

